

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A new carbonated candy-type vitamin preparation comprising at least one ~~active ingredient~~ vitamin selected from the group consisting fat-soluble vitamins and water soluble vitamins, ~~trace inorganic compounds, amino acids, organic acids, and other ingredients necessary for human being;~~ sucrose and; starch syrup(maltose syrup), sodium bicarbonate; and carbon dioxide with the proviso that at least one vitamin is comprised, ~~characterized in that~~ dioxide, wherein the carbonated candy-type vitamin preparation is manufactured by

1) ~~Active ingredients,~~ dissolving, suspending or emulsifying sucrose, starch syrup(maltose syrup) and other ingredients, except carbon dioxide and sodium bicarbonate are ~~dissolved,~~ ~~suspended or emulsified in-~~ in a suitable amount of water and the mixture is heated rapidly to obtain a molten mass;

2) concentrating the molten mass ~~The molten mass is concentrated~~ to about 1-3 parts by weight parts of water;

3. transferring the ~~The concentrated molten mass is transferred~~ to a pre-heated autoclave where color, essence and sodium bicarbonate are added by rapid stirring and is ~~injected with~~ carbon dioxide gas is injected by rapid stirring to disperse the carbon dioxide bubbles under high pressure;

4) introducing the ~~The molten carbon-dioxide-gasified mass is injected~~ into a suitable size of tube or candy-type mold;

5) cooling the ~~The~~ tube or mold injected with molten carbon-dioxide-gasified mass is ~~cooled~~ to or below 15°C;

6) ~~The-cooled~~ removing the cooled, carbonated candy-type mass ~~is taken out and/or~~
~~crushed under or~~ and crushing it below 20°C, ~~under or~~ and below 40% of RH;

7) passing the ~~In the case of~~ crushed carbonated mass, ~~the crushed carbonated mass is~~
~~sieved~~ through a standard sieve; and

8) sealing the ~~The~~ carbonated candy-type mass or the ~~sieved~~ crushed carbonated mass is
~~sealed and packaged~~ in a hermetic package.

2. (Currently Amended) ~~A new~~ The carbonated candy-type vitamin preparation of claim 1 wherein the at least one active ingredient vitamin is selected from the group consisting of fat-soluble vitamins and water soluble vitamins, trace element, trace ingredients ~~is selected from the group consisting~~ vitamin A₁(retinol), vitamin A₂(3-dehydroretinol), vitamin A₃, vitamin D₂(ergocalciferol), vitamin D₃(cholecalfeferol), provitamin D₂(ergosterin), provitamin D₃(dehydrocholesterol), vitamin E(α -tocopherol, β -tocopherol, γ -tocopherol, δ -tocopherol), vitamin F(linoleic acid, linolenic acid), vitamin K₁, vitamin K₂, vitamin U, vitamin B₁(thiamine), ~~vitamine~~ vitamin B₂(riboflavin), vitamin B₆(pyridoxin), nicotinamide, nicotinic acid, pantothenic acid, vitamin H(biotin), folic acid, vitamin B₁₂(cyanocobalamin), choline, inositol, vitamin L₁(anthranilic acid), vitamin L₂(5'-thiomethyladenosine), vitamin B₁₃(orotic acid), and vitamin C(ascorbic acid), ~~glycine, alanine, valine, leucine, isoleucine, serine, threonine, cysteine, methionine, asparaginic acid, glutaminic acid, lysine, arginine, phenylalanine, tyrosine, histidine,~~

~~typtophane, proline, oxyproline, lactose, fructose, glucose, KI, MgO, Cu₂O, ZnSO₄, MnSO₄,
CaHPO₄, KCl, dried yeast(yeast containing Cr, yeast containing Se, yeast containing Mo),
precipitated calcium carbonate, pomegranate extract, collagen, chitosan, green tea extract,
Ginseng Radix extract, Acanthopanax Cortex extract, onion extract, malic acid, citric acid,
tartaric acid, fumaric acid, maleic acid and acetic acid.~~

3. (Currently Amended) A process for the preparation of a new carbonated candy-type vitamin preparation comprising at least one ~~active ingredient~~ vitamin selected from the group consisting of fat-soluble vitamins and water soluble vitamins, ~~trace inorganic compound, trace ingredients;~~ sucrose and; starch syrup(maltose syrup), sodium bicarbonate; and carbon dioxide, with the proviso that at least one vitamin is comprised, characterized in that wherein the carbonated candy-type vitamin preparation is manufactured by

1) ~~Active ingredients, dissolving, suspending or emulsifying~~ sucrose, starch syrup(maltose syrup) and other ingredients, except carbon dioxide and sodium bicarbonate ~~are dissolved, suspended or emulsified in~~ in a suitable amount of water and the mixture is heated rapidly to obtain a molten mass;

2) concentrating the molten mass ~~The molten mass is concentrated~~ to about 1-3 parts by weight ~~parts~~ of water;

3. transferring the ~~The concentrated molten mass is transferred~~ to a pre-heated autoclave where color, essence and sodium bicarbonate are added by rapid stirring and ~~is injected with~~ carbon dioxide gas is injected by rapid stirring to disperse the carbon dioxide bubbles under high pressure;

4) introducing the ~~The~~ molten carbon-dioxide-gasified mass ~~is injected~~ into a suitable size of tube or candy-type mold;

5) cooling the ~~The~~ tube or mold injected with molten carbon-dioxide-gasified mass is ~~cooled~~ to or below 15°C;

6) ~~The cooled~~ removing the cooled, carbonated candy-type mass ~~is taken out and/or~~ crushed ~~under or~~ and crushing it below 20°C, ~~under or~~ and below 40% of RH;

7) passing the ~~In the case of~~ crushed carbonated mass, ~~the crushed carbonated mass is~~ sieved through a standard sieve; and

8) sealing the ~~The~~ carbonated candy-type mass or the sieved crushed carbonated mass is ~~sealed and packaged~~ in a hermetic package.

4. (Currently Amended) ~~A process~~ The process for the preparation of a new carbonated candy-type vitamin preparation of claim 1 ~~wherein 3, wherein the~~ at least one active ingredient vitamin is selected from the group consisting of fat-soluble vitamins and water-soluble vitamins, ~~trace element, trace ingredients is selected from the group consisting~~ vitamin A₁(retinol), vitamin A₂(3-dehydroretinol), vitamin A₃, vitamin D₂(ergocalciferol), vitamin D₃(cholecalciferol), provitamin D₂(ergosterin), provitamin D₃(dehydrocholesterol), vitamin E(α -tocopherol, β -tocopherol, γ -tocopherol, δ -tocopherol), vitamin F(linoleic acid, linolenic acid), vitamin K₁, vitamin K₂, vitamin U, vitamin B₁(thiamine), ~~vitamine~~ vitamin B₂(riboflavin), vitamin B₆(pyridoxin), nicotinamide, nicotinic acid, pantothenic acid, vitamin H(biotin), folic acid, vitamin B₁₂(cyanocobalamin), choline, inositol, vitamin L₁(anthranilic acid), vitamin L₂(5'-

thiomethyladenosine), vitamin B₁₃(orotic acid), and vitamin C(ascorbic acid), ~~glycine, alanine, valine, leucine, isoleucine, serine, threonine, cysteine, methionine, asparaginic acid, glutaminic acid, lysine, arginine, phenylalanine, tyrosine, histidine, typtophane, proline, oxyproline, lactose, fructose, glucose, KI, MgO, Cu₂O, ZnSO₄, MnSO₄, CaHPO₄, KCl, dried yeast(yeast containing Cr, yeast containing Se, yeast containing Mo), precipitated calcium carbonate, pomegranate extract, collagen, chitosan, green tea extract, Ginseng Radix extract, Acanthopanacis Cortex extract, onion extract, malic acid, citric acid, tartaric acid, fumaric acid, maleic acid and acetic acid.~~

5. (New) A new carbonated candy-type vitamin preparation of claim 1, additionally comprising at least one ingredient selected from the group consisting of trace inorganic compounds, amino-acids, organic acids and other ingredients necessary to the human being.

6. (New) A new carbonated candy-type vitamin preparation of claim 1, additionally comprising at least one ingredient selected from the group consisting of glycine, alanine, valine, leucine, isoleucine, serine, threonine, cysteine, methionine, asparaginic acid, glutaminic acid, lysine, arginine, phenylalanine, tyrosine, histidine, tryptophane, proline, oxyproline, lactose, fructose, glucose, KI, MgO, Cu₂O, ZnSO₄, MnSO₄, CaHPO₄, KCl, dried yeast (yeast containing Cr, yeast containing Se, yeast containing Mo) . precipitated calcium carbonate, pomegranate extract, collagen, chitosan, green tea extract, Ginseng Radix extract, Acanthopanacis Cortex extract, onion extract, malic acid, citric acid, tartaric acid, fumaric acid, maleic acid and acetic acid.

7. (New) A process for the preparation of a new carbonated candy-type vitamin preparation of claim 5 additionally comprising at least one ingredient selected from the group consisting of trace inorganic compounds, amino acids, oretanic acids and other ingredients necessary for the human being.

8. (New) A process for the preparation of a new carbonated candy-type vitamin preparation of claim 5 additionally comprising at least one ingredient selected from the group consisting of glycine, alanine, valine, leucine, isoleucine, serine, threonine, cysteine, methionine, asparaginic acid, glutamic acid lysine, arginine, phenylalanine, tyrosine, histidine, typrotphane, proline, oxyproline, lactose, fructose, glucose, KI, MgO, Cu₂O, ZnSO₄, MnSO₄, CaHPO₄., KCl, dried yeast (yeast containing Cr, yeast containing Se, yeast containing Mo) . precipitated calcium carbonate, pomegranate extract, collagen, chitosan, green tea extract, Ginseng Radix extract, Acanthopanax Cortex extract, onion extract, malic acid, citric acid, tartaric acid, fumaric acid, maleic acid and acetic acid.